

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

Listing of Claims:

1. (Currently amended): Process for the purification of ~~fermentatively~~ fermentatively produced riboflavin that has at least one impurity which is a DNA comprising the steps of:

- (a) precipitating a first crystalline form of fermentatively produced riboflavin,
- (b) isolating the first crystalline form of riboflavin,
- (c) transforming the first crystalline form of riboflavin into a second crystalline form of riboflavin under conditions that decompose diluted DNA, and
- (d) isolating the second crystalline form of riboflavin,

wherein the first crystalline form of riboflavin is a riboflavin dihydrate and the amount of DNA in the riboflavin crystals of step (d) is below about 0.2 parts per billion.

2. (Previously presented): Process according to claim 1, characterized in that after step (b) the process further comprises the step of pasteurizing the first crystalline form of riboflavin before transforming the first crystalline form in step (c).

3-4. (Canceled).

5. (Previously presented): Process according to claim 1, characterized in that the second crystalline form of riboflavin is riboflavin anhydrate I.

6. (Previously presented): Process according to claim 1, characterized in that in step (c) the conditions that decompose diluted DNA are acidic or basic conditions.

7. (Original): Process according to claim 6, characterized in that the acidic conditions are caused by an acid having a concentration of between 10^{-4} and 10^{-1} mol⁻¹.

8. (Previously presented): Process according to claim 1, characterized in that in step (a) the precipitation of the first crystalline form of riboflavin is induced by addition of seed crystals to the fermentatively produced riboflavin.

9. (Original): Process according to claim 8, characterized in that the seed crystals comprise seed crystals of a riboflavin hydrate.

10. (Original): Process according to claim 9, characterized in that the seed crystals of the riboflavin hydrate are seed crystals of riboflavin dihydrate or seed crystals of riboflavin monohydrate.

11. (Previously presented): Process according to claim 1, characterized in that step (c) is performed at a temperature of between 60°C and 75°C using

(i) a mineral acid,

(ii) a base, or

(iii) an organic acid.

12. (Previously presented): Process according to claim 1, characterized in that in step (c) a slurry comprising the first crystalline form of riboflavin is pumped continuously through a heat exchanger and further pumped through a tube equipped with a jacket heating and either a multistage stirring system or static mixers.

13-16. (Canceled).

17. (Previously presented): Process according to claim 2, characterized in that in step (c) the conditions that decompose diluted DNA are acidic or basic conditions.

18-21. (Canceled).

22-41. (Canceled).